

## Remote Breath Alcohol Detector (RBAD)

- Non-intrusive breath alcohol detector using Tunable Diode Laser to detect ethanol vapor concentration



- RBAD system will reduce danger alcohol impaired drivers pose:
  - Detects alcohol vapor on the breath of a driver at a distance of no less than 10 meters and speed of 30 mph
  - Distinguishes between alcohol impaired and non-impaired drivers
  - Laser frequency of 1.392 microns not a visual hazard
  - RBAD is portable, hand held, remotely operated, easy to use, and provides accurate, real-time results
- Applicable in several industries:
  - Law enforcement agencies
  - State organizations
  - Drinking establishments, event coordinators, and alcohol distributors
  - Insurance industry
- US Patent pending

### Commercialization Started



Canberra Aquila, Inc.  
Albuquerque, NM



Natural Sciences Center of the General  
Physics Institute  
Moscow, Russia



Brookhaven National Laboratory  
Upton, NY